

Converting Colors

CIELCh(48, 28.342, 184.498)

Have a look what the booklet for
CIELCh(48, 28.342, 184.498)
contains.

CIELCh(48, 28.375, 184.377)	3
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Color

CIELCh(48, 28.375, 184.377)

Conversions

Conversions Part 1

Format	Color
Hex	267F75
RGB	38, 127, 117
RGB Percent	15%, 50%, 46%
CMY	0.8523, 0.5030, 0.5422
CMYK	0.70, 0.00, 0.08, 0.50
HSL	173°, 54%, 32%
HSV	173°, 70%, 50%
XYZ	11.5378, 16.7945, 19.3842
YIQ	99.2490, -49.8340, -21.9780

Conversions

Conversions Part 2

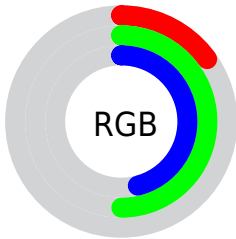
Format	Color
R_{YB}	38, 85, 127
Decimal	2522997
CIE _{Lab}	48.00, -28.29, -2.17
CIE _{LCh}	48, 28.375, 184.377
Yxy	16.7945, 0.2418, 0.3520
Android (android.graphics.Color)	4280713077 (0xFF267F75)
YUV	99.2490, 8.7512, -53.7154
Hunter-Lab	40.9810, -21.4621, 0.6423

Details

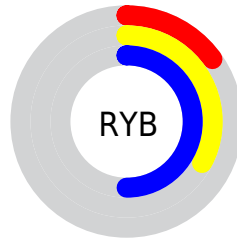
The CIELCh color **48, 28.375, 184.377** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **30, 41.953, 21.778**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 28.330, 184.672**, and **29, 22.993, 182.972** is the 20% darker color. If you saturate the color by 10%, you get **48, 30.469, 183.369**, and if you desaturate by 10%, it is **48, 25.694, 185.311**.

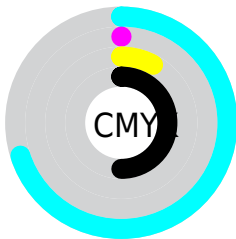
Distribution



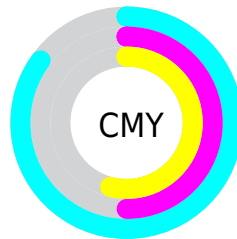
- Red (15%)
- Green (50%)
- Blue (46%)



- Red (15%)
- Yellow (33%)
- Blue (50%)



- Cyan (70%)
- Magenta (0%)
- Yellow (8%)
- Black (50%)



- Cyan (85%)
- Magenta (50%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 28.375, 184.377 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 48, 28.375, 184.377 by changing the saturation by 10% instead.

 48, 28.375,
184.377


 48, 28.375,
184.377


 100, 28.375,
184.377

 38, 28.375,
184.377

 68, 28.375,
184.377

 28, 28.375,
184.377

 78, 28.375,
184.377

 18, 28.375,
184.377

 88, 28.375,
184.377

 8, 28.375, 184.377

 98, 28.375,
184.377

 0, 28.375, 184.377

 48, 28.375,

 48, 28.375,

184.377

184.377

■ 48, 30.469,
183.369

■ 48, 25.694,
185.311

■ 48, 31.983,
182.275

■ 49, 22.455,
186.193

■ 47, 33.110,
181.173

■ 50, 18.709,
187.035

■ 50, 14.528,
187.850

■ 51, 9.988, 188.649

■ 52, 5.169, 189.455

■ 53, 0.144, 192.781

■ 54, 5.022, 10.807

■ 55, 10.274, 11.580

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



48, 28.375, 184.377



30, 41.953, 21.778

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



48, 28.375, 184.377



48, 28.375, 234.377



48, 28.375, 4.377



48, 28.375, 54.377

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



48, 28.375, 184.376



65, 12.840, 188.552



47, 57.693, 136.483



34, 8.709, 188.369



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48, 28.375, 184.376



61, 38.194, 182.754



37, 25.230, 255.704



26, 2.852, 189.554



48, 33.256, 181.165



0, 0.000, 0.000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



30, 41.953, 21.778



36, 61.736, 27.766



36, 36.273, 56.023



25, 2.979, 10.824



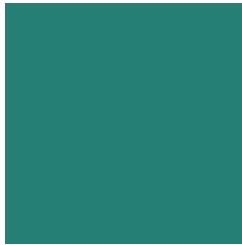
26, 57.819, 33.546



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 28.375, 184.377 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 48, 28.375, 184.377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

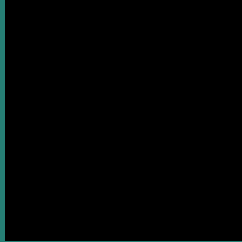
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 28.375, 184.377

Background



This preview shows how black text looks on a background with the CIELCh color 48, 28.375, 184.377.



This preview shows how white text looks on a background with the CIELCh color 48, 28.375, 184.377.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).


Dichromacy



Original Color
48, 28.375, 184.377

Protanopia
48, 2.646, 81.939

Deuteranopia
48, 7.408, 327.470



Tritanopia
48, 23.603, 211.782

Trichromacy



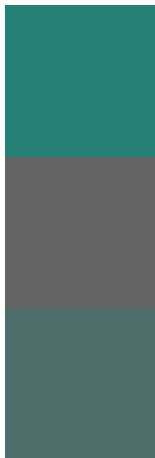
Original Color
48, 28.375, 184.377

Protanomaly
47, 12.169, 181.047

Deuteranomaly
47, 9.558, 209.187

Tritanomaly
48, 24.637, 201.071

Monochromacy



Original Color
48, 28.375, 184.377

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 12.564, 186.863

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 28.375, 184.377 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(38, 127, 117)` looks like.

```
.text, #text, p{  
    color:rgb(38, 127, 117)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(38, 127, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 127, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 28.375, 184.377 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(38, 127, 117) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(38, 127, 117) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(38, 127, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 127, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 127, 117);  
box-shadow:4px 4px 4px 4px rgb(38, 127,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 28.375, 184.377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 127, 117) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(38, 127,  
117) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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